

ABSTRACT OF THE DISCLOSURE

A back side incident type image pickup sensor in which lowering of spatial resolution is eliminated and influence of stray light is removed is provided.

5    Electric circuits including a driver circuit for driving a photoelectric conversion portion and a signal processing circuit for processing signals from the photoelectric conversion portion are each placed on the front side of a single crystal silicon

10    substrate at a given distance in the horizontal direction from an opening. Influence of stray light is thus eliminated. The semiconductor substrate has high refractive index, thereby essentially allowing little lowering of spatial resolution. Lowering of

15    spatial resolution is further prevented if the substrate is thinned.